

P.O. Box 450, MSIN H6-60 Richland, Washington 99352

AUG 1 0 2007

07-ESQ-132

Ms. Jane A. Hedges, Program Manager Nuclear Waste Program State of Washington Department of Ecology 3100 Port of Benton Blvd. Richland, Washington 99354



EDMC

Dear Ms. Hedges:

SUBMITTAL OF HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT MODIFICATION NOTIFICATION FORM 24590-LAW-PCN-ENV-07-003

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource

Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of

Dangerous Waste, Part III, Operating Unit 10, 'Waste Treatment and

Immobilization Plant."

This letter submits the Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-07-003 (Attachment 1). The form describes a requested Class '1 modification to the Reference requiring approval from the Washington State Department of Ecology (Ecology). A Bechtel National, Inc. certification statement is provided in Attachment 2.

Modification Notification Form 24590-LAW-PCN-ENV-07-003 updates the Low-Activity Waste (LAW) Vitrification Building Piping and Instrumentation Diagrams for the LAW Primary Offgas Process System Melter 1 and LAW Primary Offgas Process System Melter 2, in Appendix 9.2 of the Reference.

Ecology was provided an opportunity to review the modification notification form and the associated information and comments were dispositioned.

If you have any questions, please contact me, or your staff may contact Lori A. Huffman, Office of Environmental Safety and Quality, (509) 376-0104.

Sincerely,

Shirley J. Olinger, Acting Manager

Office of River Protection

ESQ:LAH

Attachments: (2)

cc: See page 2

cc w/attachs:

Administrative Record H-0-8

BNI Correspondence

Environmental Portal, LMSI

cc electronic:

W. S. Elkins, BNI

B. G. Erlandson, BNI

P. A. Fisher, BNI

J. S. Hill, BNI

S. Murdock, BNI

P. Peistrup, BNI

D. Robertson, BNI

B. Becker-Khaleel, Ecology

E. A. Fredenburg, Ecology

T. Gao, Ecology

A. A. Hamar, Ecology

S. A. Thompson, FHI

A. C. McKarns, RL

D. J. Sommer, SCS

cc w/o attachs:

D. A. Klein, BNI

J. Cox, CTUIR

S. Harris, CTUIR

L. Cusack, Ecology

S. L. Dahl, Ecology

G. P. Davis, Ecology

G. Bohnee, NPT

K. Niles, Oregon Energy

R. Jim, YN

Attachment 1 07-ESQ-132

Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-07-003

Hanford Facility RCRA Permit Modification Notification Form Part III, Operating Unit 10

Waste Treatment and Immobilization Plant

Index

Page 2 of 3: Hanford Facility RCRA Permit, Operating Unit 10, Waste Treatment and Immobilization Plant
Update LAW Vitrification Building Piping and Instrumentation Diagrams (P&IDs) for the LAW
Primary Offgas Process System Melter 1, LAW Primary Offgas Process System Melter 2, in
Appendix 9.2 of the Dangerous Waste Permit.

Submitted by Co-Operator:

Reviewed by ORP Program Office:

D A Klein

Date

. J. Ofinger

1 Class 1 modifications requiring prior Agency approval.

If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class 1, if applicable.

Hanford Facility RCRA Permit Modification Notification Form				
Unit:	Permit Part & Chapter:			
Waste Treatment and Immobilization Plant	Part III, Operating Unit 10			

Description of Modification:

The purpose of this Class 1 prime modification is to update the following Piping and Instrumentation Diagrams (P&IDs) for the LAW Primary Offgas Process System Melter 1, LAW Primary Offgas Process System Melter 2. The following permit P&IDs are submitted to replace those currently in Appendix 9.2.

Appendix 9.2						
Replace:	24590-LAW-M6-LOP-P0001, Rev. 1	With:	24590-LAW-M6-LOP-P0001, Rev. 2			
	24590-LAW-M6-LOP-P0002, Rev. 1		24590-LAW-M6-LOP-P0002, Rev. 2			

The referenced P&IDs are complete revisions. They incorporate changes provided in applicable document change forms (e.g., DCN, SCN, SDDR, FCN, FCR, etc.) and changes associated with the resolution to comments on change documents since the issuance of the last revision of the permit drawing. This modification requests Ecology approval and incorporation into the permit. Revisions are the result of ongoing design changes. The following identifies the significant types of changes on the attached drawings.

LAW Vitrification Facility - Piping and Instrumentation Diagram P&ID 24590-LAW-M6-LOP-P0001 (Rev. 2)

The DCNs associated with changes to P&ID 24590-LAW-M6-LCP-P0001 are provided in drawing Note 54.

- Added and revised various notes as symbols and legends, slopes, reducers, valve locations, and system
 designators
- Added slope notation to numerous lines including bulge piping
- Corrected numerous off-sheet coordinates
- Added Seismic Category flags and incorporated various editorial comments
- · Added reducers and nozzies to WESP purge heaters
- Deleted pressure control valves and added orifice plates, nozzle numbers, and reducers to LOP-HTR-00001
- Added reducers to show 8" LOP-FV-1140 on 10" line between offgas LVP HTR-00001A/B and LOP-WESP-00001
- Added instrument service air from ISA manifold to bulge LOP-BULGE-00001
- Incorporated various editorial comments

LAW Vitrification Facility - Piping and Instrumentation Diagram P&ID 24590-LAW-M6-LOP-P0002 (Rev. 2)

The DCNs associated with changes to P&ID 24590-LAW-M6-LCP-P0002 are provided in drawing Note 53.

- Added and revised various notes as symbols and legends, slopes, reducers, valve locations, and system
 designators
- Added slope notation to numerous lines including bulge piping
- Corrected numerous off-sheet coordinates
- Added Seismic Category flags and incorporated various editorial comments
- Added reducers and nozzies to WESP purge heaters
- Deleted pressure control valves and added orifice plates to LOP-HTR-00002
- Added reducers to show 8" LOP-FV-2140 on 10" line between offgas LVP HTR-00001A/B and LOP-

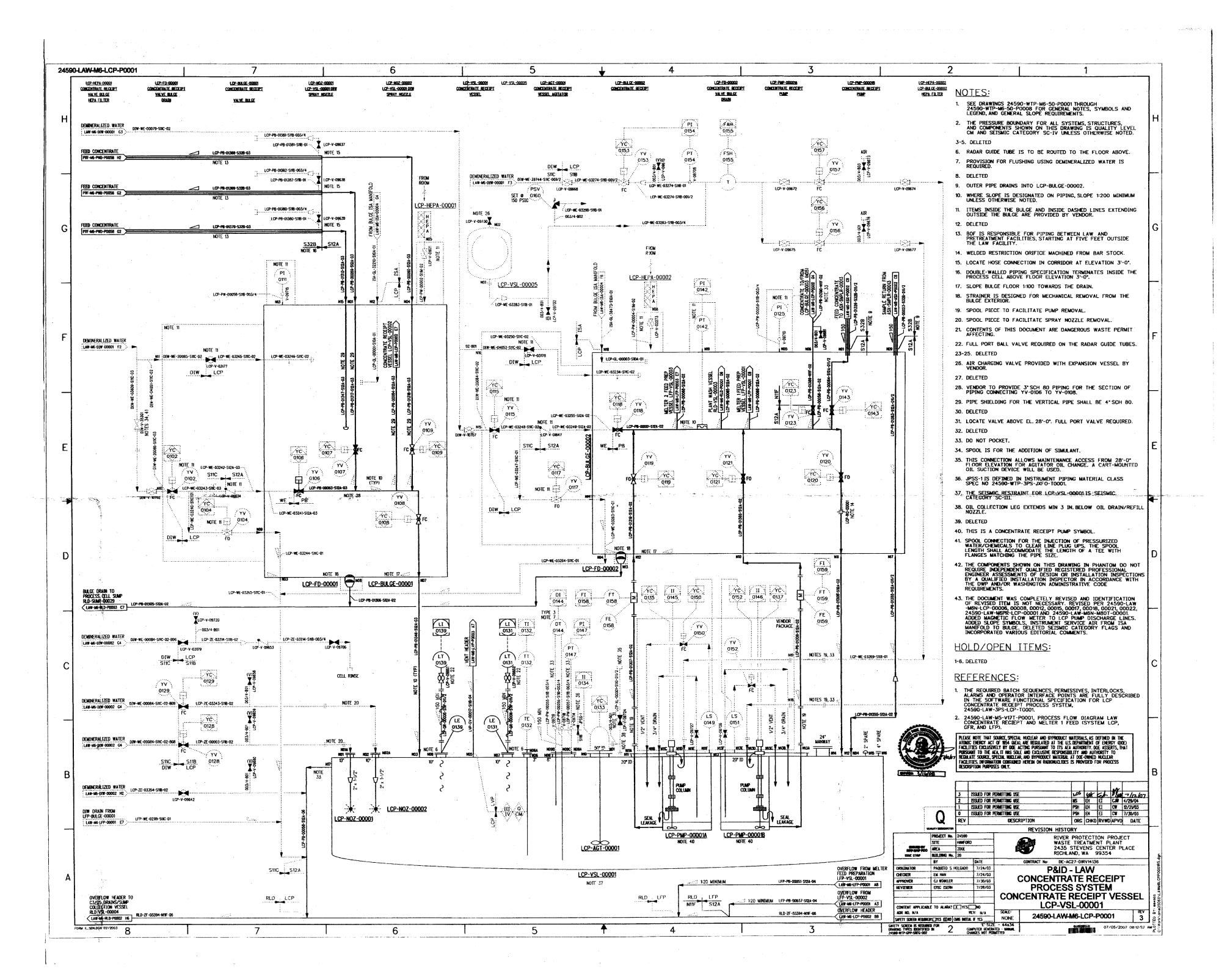
24590-SENV-F00011 Rev 12 (6/18/2007)

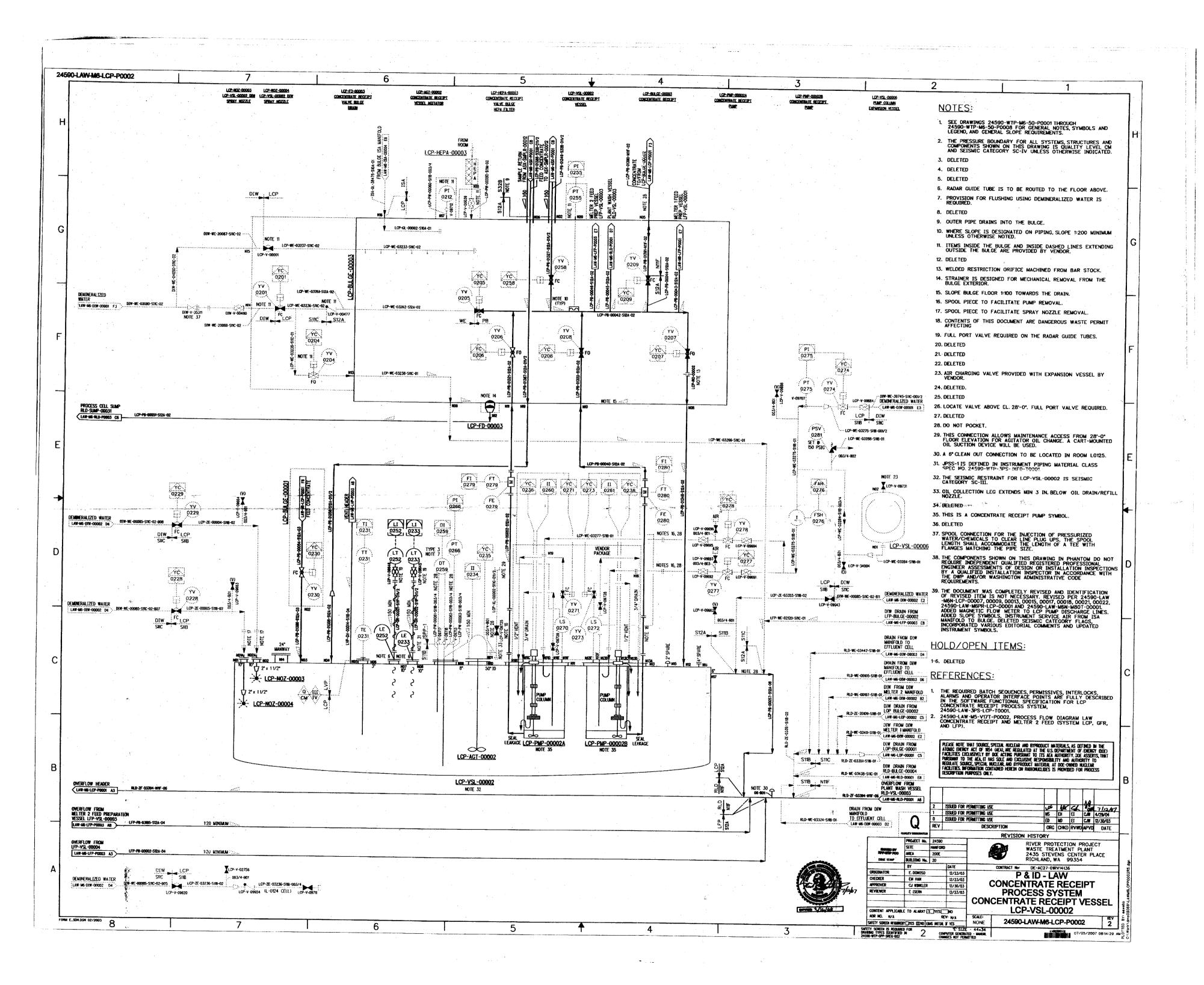
Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.

Quarter Ending September 30, 2007

 WESP-00002 Added instrument service air from ISA manifold to bulge LOP-BULGE-00002 Incorporated various editorial comments 									
The following is a list of outstanding change documents that have not been incorporated into this modification:									
24590-LAW-M6N-LOP-00051									
WAC 173-303-830 Modification Class: 12	Class 1	Class 11	Class 2	Class 3					
Please mark the Modification Class:		X	-						
Enter Relevant WAC 173-303-830, Appendix I Modification citation number:									
Enter wording of WAC 173-303-830, Appendix I Modification citation:									
In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹ 1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."									
Modification Approved: Yes No (state re	ason for denial) Re	Reviewed by Ecology:						
Reason for denial:									
	B. Becke	r-Khaleel	Date						





Attachment 2 07-ESQ-132

Bechtel National, Inc. Certification Statement

Bechtel National, Inc. Certification

The following certification statement is provided consistent with Contract No. DE-AC27-01RV14136, Section H.26, Environmental Permits, paragraph (g) for the submittal of the Hanford Facility Resource Conservation and Recovery Act Permit Modification Notification Form 24590-LAW-PCN-ENV-07-002.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

W. S. Elkins

- Project Director

Date